

Φ Physis⁺plus

The real organ experience

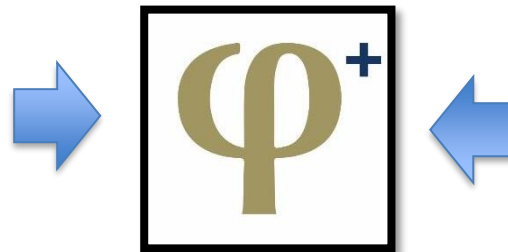
PhysisPlus represents the natural and powerful evolution of our patented and now well-known Physis (Physical modelling) technology.

How does it differ from the current one?

We have developed in our laboratory a technological combination of our proprietary physical models and an artificial intelligence algorithm we call **MORIS**® (“Multi-Objective Random Iterative Search”, a Viscount Deep Learning complex procedure that has made it possible to achieve a richness of sound never heard before. This algorithm is able to learn and capture new acoustic features of typical organ sounds and provide estimates of the parameters of a pipe physical model, thus making our new physical models incredibly realistic, both in terms of harmonics and feeling on the keyboard.

This is why we strongly believe in physical modelling. With PhysisPlus, we have finally achieved our goal of offering a real organ experience.

Click here and find out! (ctrl+click)



Opera 450

Opera 450 is the first digital organ incorporating PhysisPlus that Viscount offers on the market. An unprecedented 3-manual organ with enormous computing power in the creation of physically modelled sound, capable of processing details of harmonic richness never heard before, handling numerous outputs easily via the routing area on the editor, built with Viscount's best materials.

- **3 manuals, 54 organ + 7 orchestra stops**
- **Full sound library availability**
- **Dedicated area in the editor for intuitive routing**
- **Tracker Touch + Tracker Noise for a real mechanical organ feel**
- **Dante® audio system availability to easily outputs management**
- **Wide set of Subs and Super couplers**
- **State of the Art quality craftsmanship**



Light oak



Dark oak



STANDARD EU DISPOSITIONSTOPS: 54

PED: 12 MAN I: 11 MAN II: 15 MAN III: 16

PEDAL

Untersatz 32'
Principal-bass 16'
Subbass 16'
Bourdon 16'
Violonbass 16'
Octavbass 8'
Gedackt 8'
Choralbass 4'
Mixtur IV"
Contra Bombarde
32'
Posaune 16'
Trompete 8'
II 8'
III 8'
III 4'
I 8'

MAN II

Principal 16'
Principal 8'
Flöte Harmonique 8'
Gedackt 8'
Gamba 8'
Unda Maris 8'
Octave 4'
Spitzflöte 4'
Quinte 2 2/3'
Superoctave 2'
Mixtur V
Kornett IV
Contra
Trompete 16'
Trompete 8'
Klarine 4'
Tremulant
III 8'
I 8'

MAN III

Bourdon 16'
Geigen Principal 8'
Rohrgedackt 8'
Viola di Gamba 8'
Vox Celeste 8'
Octave 4'
Rohrflöte 4'
Nasard 2 2/3'
Blockflöte 2'
Terz 1 3/5'
Plein Jeu IV
Fagott 16'
Trompete 8'
Oboe 8'
Vox Humana 8'
Clairon 4'
Tremulant

MAN I

Rohr-gedackt 8'
Quintadena 8'
Principal 4'
Gedackt-flöte 4'
Octave 2'
Sesqui-altera II
Quinte 1 1/3'
Sifflöte 1'
Scharff III
Dulzian 16'
Cromorne 8'
Tremulant III 8'

PRODUCT SPECIFICATIONS

Technology	Physis+ Advanced Physical Modelling		
Manuals	3	MIDI Enable	Yes (Front rail)
Total Stop Controls	54 Organ Stops + 8 Orchestral Voices	Orchestra and Midi Sustain	Side Switch on Expression Pedal
Pedal	12	DISPLAY	
MAN I	11	Display Dimensions	128 x 64 dots Graphic with Backlight
MAN II	15	Stops Voicing	Available
MAN III	16	Divisional Volume	Available
Orchestra	8, 2 for each organ division	Tremulant	2 independent for each division
Alternative Organ Stops	5 or more for each tab	Reverb	16 presets
Alternative Orchestral Voices	More than 30 overall	Ensemble Effect	Adjustable
Couplers	15	Temperaments	19 Historical + 4 user programmable
General Memories	1000 (000 - 999)	Short Octave	Available
Memory Slots	9 slots x 1000 each	Keyboards Inversion	Available
Total Memories	9000	Internal Routing	Programmable for each stop
Piston Sequencer	Two sets of thumb pistons; Two toe pistons	Internal Equalizer	5 Band Graphic EQ
Speakers Controls	Console, External	MIDI Sequencer	Available
DIMENSIONS		File Manager	Load, Save, Backup, Restore
Height (excluding music desk)	cm 127 - 50"	Lock Organ	With Password
Height (including music desk)	cm 151,5 - 59,6"	MUSIC DESK	
Width	cm 164,1 - 64,6"	Plexiglass Desk with Light	Available
Depth (excluding pedal board)	cm 70,5 - 27,7"	Adjustable Desk	Optional
Depth (including pedal board)	cm 111,2 - 43,7"	MANUALS - KEYBOARDS	
		Standard Keyboards	Available
CABINET		Plastic Black Keyboard Covered with Real Wood	Optional
Wood Veneer	Light oak, dark oak	Ivory / Wood Colored Plastic With Wooden Core	Optional
ACCESSORIES		Viscount AWK Keyboards With Wooden Core	Optional

Bench	With Music Storage shelf	PEDALBOARD	
Adjustable Bench	Optional	32 note Straight Concave or Parallel, Radiating Concave	Available
		32 note AGO	Optional
CONNECTIONS		PIPE SETS	Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets
MIDI In - MIDI Out	Available		
Aux In, Aux Out	Available	DISPLAY MENU FUNCTIONS	
Headphones Out	Available	Temperaments	Available
USB	A-Type (USB pen) B-Type (Connection to Physis Editor)	Pipe Set	Available
EXTERNAL OUTPUTS		Pitch	Available
Channels	12 programmable (optional: up to 28)	Crescendo Steps	Available
Channel Assign	Voice, General, Sub, Reverb		
Equalizer	5 Band Graphic EQ for each channel, EQ for Sub	2x Expression Pedals Level	Available
Routing	Programmable for each stop	Transposer	Available
Volume	Adjustable for each channel	Quick Access	Levels (Master, Reverb, Ext Out, ...); Songs
REVERB SYSTEM			
True Stereo Reverb	16 new unique presets		
Additional Parameters:	Wet/Dry		
	Early reflections		
	Decay Time		
Left/Right	Assignable to external outputs		
SOUND AMPLIFICATION			
Internal Amplifiers	6 Class-D amplifier 150W per channel		
Internal Speakers	10 total 4 tweeter 4 mid-range 2 x 10" woofer		
Channel Assignable	Reverb LR General Sub		

OPTIONAL KEYBOARDS



1) Viscount AWK keyboard (full wood)



2) Tp8LV Black keyboard (Plastic keyboard with real wood)

SUSTAINABILITY

Amplifiers

Energy saving has always been an integral part of Viscount's DNA, committed since its inception to the design of increasingly efficient and reliable products, aimed at minimizing the environmental impact and energy costs. The technology of class D amplifiers is based on the ability to transform almost all of the energy deriving from the power supply into usable power, also recycling the reactive energy returning from the speakers.

Today this technology has been applied on the new Physis plus organ line: specifically for our products this translates into optimal efficiency (0.95-0.99%) and the consequent reduction of the energy required to achieve the same level.



Company

Thanks to a regional project, Viscount has also started a process of energy efficiency of the production plants and offices.

We want to offer increasingly sustainable and safe products; therefore, we pay the utmost attention to the quality of the materials, which are all certified according to the highest safety standards and our processing waste is recycled for other uses.

Viscount is a company located in a place surrounded by nature of precious beauty. Our commitment is the maximum to preserve it and deliver it to future generations.

Φ Physisplus

◦ Opera 450 ◦

 VISCOUNT